



Click [here](#) for the 3D model.

**General Information**

|                          |  |
|--------------------------|--|
| Series                   | ESD SMD Comm COG   |
| Style                    | SMD Chip   |
| Description              | SMD, MLCC, Temperature Stable, Electro Static Discharge, Class I |
| Features                 | Temperature Stable, Low ESR, Class I                             |
| RoHS                     | Yes  |
| Termination              | Tin  |
| Marking                  | No   |
| Typical Component Weight | 36 mg  |
| Shelf Life               | 78 Weeks   |
| MSL                      | 1  |

**Specifications**

|  |                        |
|--|------------------------|
| Capacitance  | 0.047 uF               |
| Measurement Condition  | 1 kHz 1.0Vrms          |
| Tolerance  | 20%                    |
| Voltage DC   | 63 VDC                 |
| ESD Level per AEC-Q200   | 25,000 V ESD Level     |
| Dielectric Withstanding Voltage                                    | 157.5 VDC              |
| Temperature Range  | -55/+125°C             |
| Temp. Coefficient  | COG                    |
| Capacitance Change with Reference to +25°C and 0 VDC Applied (TCC) | 30 ppm/C, 1kHz 1.0Vrms |
| Dissipation Factor   | 0.1% 1 kHz 1.0Vrms     |
| Aging Rate   | 0% Loss/Decade Hour    |
| Insulation Resistance  | 21.2766 GOhms          |

**Dimensions**

|                      |                 |
|----------------------|-----------------|
| L                    | 3.2mm +/-0.2mm  |
| W                    | 1.6mm +/-0.2mm  |
| T                    | 1.6mm +/-0.20mm |
| S                    | 1.5mm MIN       |
| B                    | 0.5mm +/-0.25mm |
| Case Code (EIA / mm) | 1206 / 3216     |

**Packaging Specifications**

|                    |                          |
|--------------------|--------------------------|
| Packaging          | T&R, 330mm, Plastic Tape |
| Packaging Quantity | 8000                     |

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